

EXPRESS MAIL LABEL NO. E7902321489US

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| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | | ATTY. DOCKET NO. RCA 89783 | | SERIAL NO. | |
| INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 (Use several sheets if necessary) | | | | APPLICANT Thomas H.B. Cranor et al. | | FILING DATE GROUP | |
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| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINE INITIAL | | DOCUMENT NUMBER | ISSUE DATE | APPLICANT/PATENTEE | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| TP | AA | 4100496 | 7/1978 | Akiyoshi et al. | 325 | 369 | |
| | AB | 4497067 | 1/1985 | Namiki | 455 | 273 | |
| | AC | 4498885 | 2/1985 | Namiki | 455 | 273 | |
| | AD | 4397041 | 8/1983 | Takeda et al. | 455 | 277 | |
| | AE | 4338606 | 7/1982 | Tada et al. | 343 | 744 | |
| | AF | 5784032 | 7/1998 | Johnston et al. | 343 | 702 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | PUBL. DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION Yes No |
| | AG | 2257605 | 1/1993 | GB | H04B | 7/08 | |
| | AH | 0221475 | 5/1987 | EP | H04N | 5/21 | |
| | AI | 3427629 | 1/1986 | Germany | H01Q | 1/38 | X |
| | AJ | | | | | | |
| | AK | | | | | | |
| OTHER INFORMATION (Including Author, Title, Pub.Date, Pertinent Pages, Country, Etc.) | | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| EXAMINER T-HO PHAN | | | | DATE CONSIDERED 8/19/04 | | | |
| SUBMITTED BY: KUNIYUKI AKIYAMA | | | | REG.NO.: 43,314 | | DATE: Feb. 22, 2002 | |

*Copy of search report attached